

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Cancelled).
2. (Currently Amended) The oil seal arrangement claimed in ~~claim 4~~ claim 12 wherein said oil seal chamber is not filled with said oil but an oil layer and an air layer are present in said oil seal chamber.
3. (Currently Amended) The oil seal arrangement claimed in ~~claim 4~~ claim 12 further comprising a recess chamber formed ~~[[in]]~~ on the outer periphery of said ~~easing pump cylinder~~ around said oil seal chamber, a first passage through which said recess chamber communicates with said oil seal chamber, and an oil injection port communicating with said recess chamber.
4. (Original) The oil seal arrangement claimed in claim 3 wherein said first passage is always submerged in said oil layer.
5. (Currently Amended) The oil seal arrangement claimed in claim 3 wherein said oil seal chamber and said recess chamber have both an oil layer and an air layer, said oil layer in said oil seal chamber communicates with said oil layer in said recess chamber through said first passage, and said air layer in said oil seal

chamber communicates with said air layer in said recess chamber through a second passage, said first passage is formed at a portion submerged in said oil layers of said oil seal chamber and said recess chamber, and a second passage through which said oil seal chamber communicates with said recess chamber is formed at a portion communicating with said air layers of said oil seal chamber and said recess chamber.

6. (Cancelled).

7. (Currently Amended) The oil seal arrangement claimed in claim 2 further comprising a recess chamber formed ~~[[in]]~~ on the outer periphery of said ~~easing~~ pump cylinder around said oil seal chamber, a first passage through which said recess chamber communicates with said oil seal chamber, and an oil injection port communicating with said recess chamber.

8. (Cancelled).

9. (Cancelled).

10. (Cancelled).

11. (Cancelled).

12. (New) An oil seal arrangement for a pump cylinder which contains oil and in which positive and negative oil pressures are alternately produced, said oil seal arrangement comprising:

a high-pressure seal mounted in said pump cylinder around a rotary shaft inserted in and rotatably supported by said pump cylinder;

said high-pressure seal being disposed between a motor provided at one end of said pump cylinder and coupled to said rotary shaft and a pump unit mounted in said pump cylinder around said rotary shaft;

said pump unit being driven by said motor through said rotary shaft to suck and discharge oil into and from said pump cylinder;

a low-pressure seal mounted in said pump cylinder around said rotary shaft between said high-pressure seal and said motor; and

an oil seal chamber defined in said pump cylinder around said rotary shaft between said high-pressure seal and said low-pressure seal;

said oil seal chamber containing oil of the same type as oil in said pump unit, said rotary shaft being completely submerged in the oil in said oil seal chamber.

13. (New) An oil seal arrangement for a cylinder containing oil, said oil seal arrangement comprising:

a high-pressure seal mounted in said cylinder around a shaft inserted in said cylinder to seal a pressure chamber defined in said cylinder around said shaft wherein said pressure chamber is filled with oil and positive and negative oil pressures are alternately produced in said pressure chamber;

a low-pressure seal mounted in said cylinder around said shaft between said

high-pressure seal and one end of said cylinder remote from said pressure chamber;
and

an oil seal chamber defined in said cylinder around said shaft between said
high-pressure seal and said low-pressure seal;

said oil seal chamber containing oil of the same type as oil in said pressure
chamber, said shaft being completely submerged in the oil in said oil seal chamber.